



ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE: March 3, 1983

TO: File/USEPA Region V

FROM: Paul D. Shea

SUBJECT: Preliminary Assessment

Illinois/TDD#R5-8212-01A-147

Blue Island/Manufacturers Brass and Aluminum Foundry Co.
ILD000666255

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. USEPA Erris files - Region V, *Chicago*
- 2.
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Groundwater/surface water/soil contamination
3. Damage to biota

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater
3. Surface water
- 4.
- 5.

EPA Region 5 Records Ctr.



360783

Suggested methods/sources for obtaining additional information are:

1. On site inspection
2. Off site inspection
3. Sampling

Notice of an apparent need for emergency action was transmitted
to N/A on N/A
by N/A.

DM



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
IL D000666255

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) MANUF. BRASS & ALUM. FOUNDRY CO.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 3450 W. 127TH STREET			
03 CITY BLUE ISLAND	04 STATE IL	05 ZIP CODE 60406	06 COUNTY COOK	07 COUNTY CODE 031	08 CONG DIST 03
09 COORDINATES LATITUDE 41°39'48.3"		LONGITUDE 087°41'35.0"		TOPO MAP: BLUE ISLAND QUAD	
10 DIRECTIONS TO SITE (Starting from nearest public road) I-294 TO 127TH (BURR-OAK AVE) GO EAST ON 127TH TO KEDZIE. GO PAST KEDZIE AND SITE WILL BE ON RIGHT SIDE BEHIND MBAF. DONT GO AS FAR AS C+WELEC OR R.R. TRACKS					

III. RESPONSIBLE PARTIES

01 OWNER (If known) MANUF. BRASS & ALUM. FOUNDRY CO.		02 STREET (Business, mailing, residential) 3450 W. 127TH STREET			
03 CITY BLUE ISLAND	04 STATE IL	05 ZIP CODE 60406	06 TELEPHONE NUMBER 312-388-6363		
07 OPERATOR (If known and different from owner) MR. GEARY SMITH FOUNDRY MANAGER		08 STREET (Business, mailing, residential) 3450 W. 127TH STREET			
09 CITY BLUE ISLAND	10 STATE IL	11 ZIP CODE 60406	12 TELEPHONE NUMBER 312-388-6363		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☒ A. RCRA 3001 DATE RECEIVED: **8 / 18 / 80** MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: **6 / 22 / 81** MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO KNOWN INSPECTIONS		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1950 BEGINNING YEAR 1981 ENDING YEAR PRESENT <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

HEAVY METALS (TOXIC, PERSISTENT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

**LEACH INTO GROUNDWATER (ENVIRONMENT + POPULATION)
RUNOFF TO SURFACE WATER**

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT MR. KEN BECHELY MR. FRANK YUMPING		02 OF (Agency/Organization) MAYWOOD ILLINOIS EPA, STATE		03 TELEPHONE NUMBER 312-345-9780	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE ____ / ____ / ____ MONTH DAY YEAR



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
IL D000666 255

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

EPA FORM 8900-1 STATES THAT A RELEASE WAS LIKELY
THUS LEACHING OF CONTAMINANT FROM PILES INTO THE
GROUNDWATER IS A POSSIBILITY

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

RELEASE LIKELY FROM PILES INTO ENVIRONMENT.
SURFACE WATER POTENTIALLY AFFECTED.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL <1 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: (Acres) 04 NARRATIVE DESCRIPTION

HEAVY METALS ARE DUMPED IN PILES IN BACK OF CO^{ON}
(FOUNDRY WASTE) SOILS ARE ASSUMED CONTAMINATED. GROUND

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNK 04 NARRATIVE DESCRIPTION

GROUNDWATER POTENTIALLY CONTAMINATED THUS
DRINKING WATER FROM WELLS IN AQUIFER OF CONCERN
WOULD BE AFFECTED

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ~20 04 NARRATIVE DESCRIPTION

SITE WORKERS AND CLEANUP PERSONNEL
POTENTIALLY EXPOSED TO CONTAMINATED PILES

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

ASSUMED IF POPULATION COMES INTO CONTACT EITHER
WITH CONTAMINATED GROUNDWATER FOR DRINKING
OR SURFACE WATER FOR RECREATION.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 0000666255

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

"RELEASE LIKELY" FROM NOTIFICATION OF H.W.S. EPA FORM 8900-1
ASSUMED DAMAGE TO FLORA & FAUNA BECAUSE OF RELEASE

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

REFER TO ITEM "J"

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

TOXIC - PERSISTENT NATURE OF WASTE COULD CAUSE
A BIOACCUMULATION IN THE FOOD CHAIN.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

RELEASE OF CONTAMINANTS TO ENVIRONMENT - "LIKELY"

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NORLING FACTOR → 20

III. TOTAL POPULATION POTENTIALLY AFFECTED: 710,000

IV. COMMENTS

SITE IS ALLEGEDLY CLEANED UP AT LEAST ONCE EACH YEAR

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

USEPA ERRIS FILES → REGION IV, CHICAGO